

**AMENDMENTS TO THE CLAIMS**Listing of Claims

1. (currently amended) A computer device having a system for simulating tactile control over a document, comprising
- a processor, memory, and a display,
  - system code stored within the memory and adapted to be executed by the processor, ~~said system code for providing to provide~~ a digital representation of a document including data content and a page structure representative of a page layout of the document,
  - a rendering engine for rendering an image of at least a portion of the page layout of the digital representation on the display,
  - ~~a screen monitor for monitoring the screen to detect~~ an interface process for processing a detected movement of an object across an the image presented on the display, ~~an interface process for processing the detected movement to detect~~ identify a motion representative of a command to alter the ~~rendered page structure of the digital representation~~ image, and
  - a navigation module responsive to the interface process for changing the rendered portion of the page layout, wherein altering the rendered portion of the page layout allows a user to navigate through the digital representation of the document.
2. (currently amended) A computer device according to claim 1, wherein the display comprises a touch-sensitive ~~display~~ screen, and
- the interface process includes a screen monitor ~~monitors to monitor the~~ touch-sensitive screen for detecting movement across a surface of the touch sensitive ~~display~~ screen.
3. (currently amended) A computer device according to claim 1, wherein the display comprises a ~~computer display screen~~ capable of depicting a cursor moving across a screen of the display, and wherein the screen monitor detects ~~detecting~~ movement of the cursor across a surface of the display screen and depicting the cursor movement.
4. (currently amended) A computer device according to claim 1, ~~wherein the display~~

~~comprises a display and computer device further comprising~~ a tactile input device selected from the group consisting of ~~a touch-pad, a joystick, a mouse, a trackball, and a thumb wheel device and,~~ wherein the ~~screen monitor detects~~ display indicates movement ~~indicated~~ generated by the tactile device.

5. (currently amended) A computer device according to claim 1, wherein the processor, memory, and ~~a display~~ are arranged as a data processing platform for a device selected from the group consisting of a hand-held computer, a telephone, a mobile data terminal, a set top box, an embedded processor, a notebook computer, a computer workstation, a printer, a copier, a facsimile machine, an in-car system ~~system~~, a domestic appliance ~~appliance~~, an audio player ~~player~~, a microwave oven, a washing machine ~~machine~~, fridges ~~and a refrigerator~~.

AI  
Cm. +  
6. (currently amended) A computer device according to claim ~~1~~ 2, further including a velocity detector for determining a velocity vector associated with the identified motion ~~detected across the surface of the touch-sensitive display~~.

7. (previously presented) A computer device according to claim 6, further comprising means for applying a velocity characteristic to a document within a display.

8. (currently amended) A computer device according to claim ~~1~~ 7, wherein the ~~interface process includes a page flip detector~~ means for detecting applying a motion velocity characteristic include means for causing the rendered image to move across the ~~surface of a tactile input device screen~~ at a ~~location presenting a portion of velocity associated with the page layout graphically representative of a portion of a document~~ determined velocity vector.

9. (currently amended) A computer device according to claim ~~8~~ 1, wherein the ~~tactile input device selected from the group consisting of a touch sensitive display, a touch pad, a joystick, a mouse, a trackball and a thumb wheel device~~ interface process includes a page flip detector capable of responding to the identified motion.

10. (currently amended) A computer device according to claim ~~1~~ 9, wherein the ~~navigation module responds to the page flip detector for rendering a portion of the page layout~~

~~representative of a portion of the page layout adjacent a currently rendered portion~~page-flip detector includes means for causing the rendering engine to render an alternate page within the page layout of the digital representation of the document.

11. (currently amended) A computer device according to claim ~~10~~9, wherein the ~~rendered portion of the page layout has a selected adjacency to the currently rendered portion~~tactile input device includes an input device selected from the group consisting of a touch-sensitive display, a touch-pad, a joystick, a mouse, a trackball and a thumb wheel device.

12. (currently amended) A computer device according to claim ~~1~~9, wherein the navigation module ~~includes a~~responds to the ~~page-curl-flip~~ detector for rendering ~~a~~another portion of the page layout ~~representative of a portion~~adjacent a currently rendered portion.

13. (currently amended) A computer device according to claim 12, wherein the other rendered portion of the page layout has a selected adjacency to the currently rendered portion.

14. (currently amended) A computer device according to claim 1, wherein the ~~interface process includes a gesturing process for detecting a predefined movement representative of a command for selecting a portion of the page layout to be rendered~~navigation module includes a page curl detector for rendering, adjacent a currently rendered portion, another portion of the page layout representative of a portion of an underlying page.

15. (previously presented) A computer device according to claim 1, wherein the interface process includes a gesturing process for detecting a predefined movement representative of a command for altering data content of the digital representation of the document.

16. (currently amended) A computer device according to claim 1, wherein the interface process includes a page-zoom detector for detecting a predefined movement ~~and a velocity characteristic of the predefined movement, wherein the predefined movement is representative of a command for changing the~~a scale of a ~~the~~ display as a function of the velocity characteristic.

AI  
cm.t

17. (currently amended) A computer device according to claim 1, wherein the navigation module further includes means for rendering a ~~display as a function of page layout as a function of an underlying display page layout~~, for providing context ~~-responsive rendering of content~~.

Claims 18-21 (cancelled)

22. (currently amended) A computer ~~process~~device according to claim ~~21~~44, further including means for controlling a transparency characteristic of selected portions of the document for adjusting visibility of the selected portions relative to other portions of the document.

Claims 23-38 (cancelled)

39. (new) A computer device according to claim 4, wherein a velocity detector process determines a page velocity during a document drag operation controlled by movement of the tactile input device and for multi-page documents, the page velocity is used for panning different pages of a document across the screen at a rate determined by a page velocity set by dragging one page of the document.

40. (new) A computer device according to claim 1, wherein the interface process includes a gesturing process for detecting a predefined movement representative of a command for selecting a portion of the page to be rendered.

41. (new) A computer device according to claim 14, wherein the other rendered portion of the page layout has a selected adjacency to the currently rendered portion.

42. (new) A computer device according to claim 18, wherein the page-zoom detector detects a velocity characteristic of the predefined movement, and the scale of the display changes as a function of the velocity characteristic with a predefined inertia.

43 (new) A computer device according to claim 17, wherein the means for rendering includes means for rendering page layout features and user interface controls while in an active state.

44. (new) A computer device according to claim 1, further including means for controlling a transparency characteristic of a document presented on the display.

45. (new) A computer device according to claim 4 wherein a velocity detector process determines a-page velocity during a document drag operation controlled by movement of the tactile input device and wherein the navigation module process employs the velocity determination to redraw the document in a series of pictures that portray the document as moving across the screen.

46. (new) A computer device according to claim 44, further including means for measuring a magnitude of the page velocity and redrawing the image as a function of measured magnitude.

47. (new) A computer device according to claim 45, further including means for measuring a direction of the page velocity and for redrawing the image as a function of measured direction.

48. (new) A computer device according to claim 4, wherein a velocity detector process determines a page velocity during a document drag operation controlled by movement of tactile input device and wherein, upon release of said tactile input device from the document, a displayed image of the page continues to move in a direction established by the page velocity determination.

49. (new) A-computer device according to claim 48, wherein, following release of said tactile input device from the document, said displayed image of the page continues to move in said direction until it is stopped by a user action.

50. (new) A computer device according to claim 48, wherein, following release of said tactile input device from the document, the page velocity decreases by a constant page inertia

until it reaches zero.

AI  
cmell.

51. (new) A computer device according to claim 49, wherein the page velocity is variable in response to movement of said tactile input device.

---